

3 in 1 machine user manual  
(E-light+RF+Laser)

**Connect**

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## Accessories

1.	E-light handle /1 pic	5	filters/3 pic	9	E-light glasses/1 pair	13	E-light goggle/1 pair
2	RF bipolar handle/ 1pic	6	RF bipolar probes /3 pics	10	Laser glasses/1 pair	14	Water tool /1pic
3	Power line/5 pics	7	Foot pedal/2pics	11	Gel cooling /5pics		
4	Switch key/2pics	8	Laser handle/1pic	12	Laser probe/1064,532nm)		

probe: 1064nm,532nm



1064nm:Round :white light , mainly treat black, blue tattoo and pigment



532nm: square: green light, mainly treat red. Brown. green tattoo and pigment



Bigger probe("black face doll"): Mainly treating bulky pore, improving skin, fading spots, whitening skin (optional)

### filters:

530nm 560nm 590nm :removing spot, tendering skin

430nm 480nm: removing acne

640nm 690nm: removing hair

## Machine part

Working principle: (e light)

Using the light pyrolysis principle, intense pulsed light directly work in the dermis, to treat various pathological tissues by lesions selectly absorbing light energy, and not damage the normal skin tissues.

Working principle: (RF)

RF directly work in the dermis, activate the cutis cells make water molecule mutual high-speed concussion friction produce energy, when local reached 60 °C, dermal collagen would immediately convergence and activated, long-term growth so as to tighten skin and avoid skin aging.

Working principle: (laser)

Laser (laser) by stimulated produce energy in a short time and become giant pulse, pathological tissues absorb giant pulse to become shock wave, the pigment tissue broken, and can be take away by macrophage cell of human body , pigment become weak gradually until it disappeared, achieve the goal of therapeutic management.

## Treatment scope:

Pigmentary lesions treatment: spot skin, color spot, senile plaque.

pathological treatment: telangiectasia, skin redness and caused by rosacea red nose head.

skin rejuvenation: tender and whiten skin, increase skin elasticity, shrink rough pores.

Hair removal: removing unwanted hair

eye : silky fine lines, reduce pouch.

Forehead and temporal: wrinkles removal, lift eyebrow, lift eyelid.

Cheeks: wrinkles removal, soft fine wrinkles, wheelk treatment, improve shallow saucer concave hole, tighten face

Neck: improving wrinkles, improve Turkey neck (double chin).

Face: tighten forehead, eye , jaw line, chin

wash eyebrow and tattoo

remove birthmark and mole

## features

- E-light, RF and Laser function
- Many size spot, is suitable for various parts ; All band E light can meet our clients' different needs;
- Protected by the state patent appearance
- 8 inches touch true color screen
- Semiconductor rapid refrigeration and comfortable effect
- IC card controller(optional)
- CE certificate

## Parameters

RF

Operating frequency: 0.5 MHZ

Working pattern: double frequency

Output energy: 0-100 j/cm<sup>3</sup>  
Output mode: unipolar and bipolar  
Output control mode: foot switch, hand switch  
Treatment head: RF head (single)  
Treatment head: RF head (unipolar. Bipolar)  
Power supply: 220 v/50-60 HZ / 2.5 A (100 v/50-60 HZ/ 5 A)

#### E light

Working voltage: 220 v / 110 v  
Output: 600 w / 800 w  
Characteristics and function: the rectangular wave output, energy gentle strong, stable output  
Working voltage: 220 v / 110 v  
Output: 350 w  
Characteristics and functions: rectangular wave output, stable energy, better than that of other products in the industry

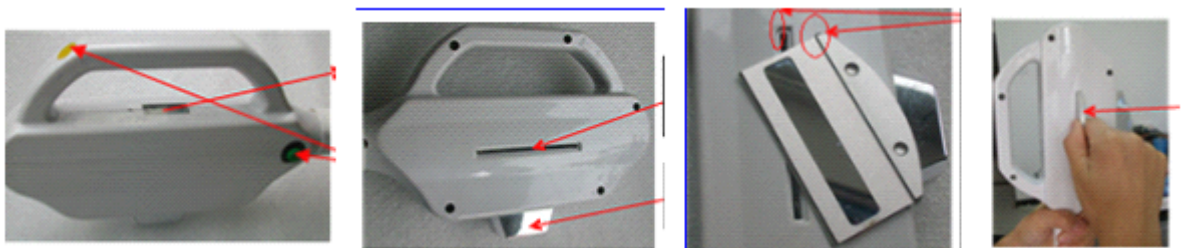
#### Laser

Laser wavelength: 1064 nm / 532 nm  
Pulse energy: 1 ~ 50J/cm<sup>3</sup>  
Output frequency: 1 HZ ~ 5 HZ  
Rated power: 350 w  
Output mode: functional treatment handle  
Working power supply: AC 220 v/50HZ

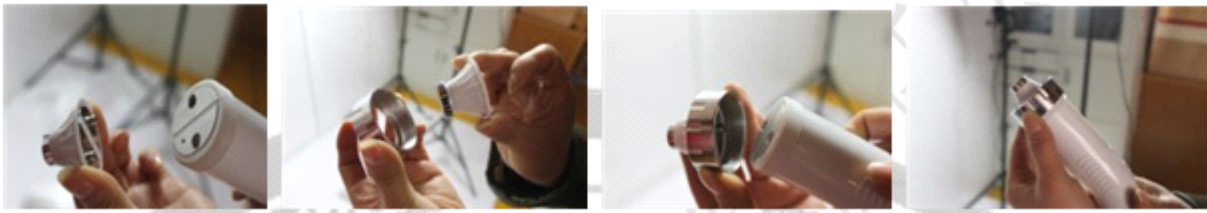
## Operation

Before operation, connecting spare parts according to marks on the machine, and fill full water, do not operating machine under not filling full water

Filter installation:



RF probe installation:



- 1, choose one probe,(16mm for face, and 32mm for body)
- 2, install ring on the probe (two screws on probe connect to two hole on the top of RF handle)
- 3,tightening ring by clockwise direction , not to put slanting

### Switching machine screen



(picture 1)



(picture 2)



(picture 3)

Turn key switch, show picture 1. press "ENTER" in to detection picture2

.after every item is ok .press "enter" into treatment screen picture3

### E-light treatment screen



(picture 4)



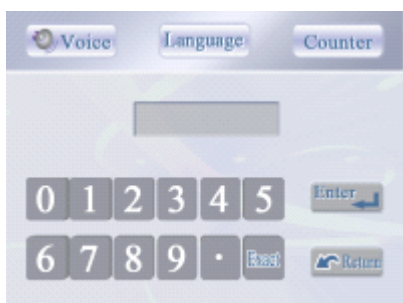
(picture 5)



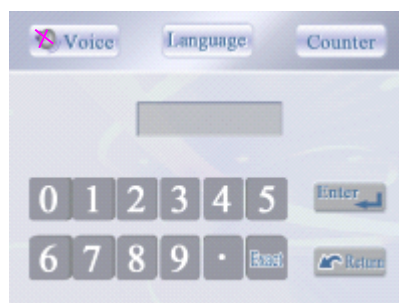
(picture 6)

On the E-light treatment screen, select function and set parameters, make sure handle is fine, and then press "standby" into "ready", the lamp of handle become light

### Setting parameters



(picture 7)



(picture 8)

voice: open or close

Language: Chinese or English

Counter: record total points

Enter: save parameter, keep press this key for seconds until “Di” sound, means save data.

return: back to the last screen

## RF treatment screen



(picture 9)



(picture 10)

Choose RF model(picture 9), enter RF face treatment screen(picture 10),setting parameters, enter "standby",choose unipolar or bipolar, and then operate RF handle.

## E-light parameters adjustment

530nm-590nm spot removal

Skin type	First pulse	Sequent pulse	Pulse number	Pulse interval	IPL energy	RF energy	frequen cy
white pigment shallow	4	4	5	6	23	17	1
white pigment deep	3.5	3.5	3	5	22	20	2
Dark pigment heavy	3.5	3.5	5	5	13	15	2

640nm-690nm hair removal

Skin type	First pulse	Sequent pulse	Pulse number	Pulse interval	IPL energy	RF energy	frequency
White shallow pigment	4	4	5	6	23	5	1
White deep pigment	3.5	3.5	3	5	22	6	2
Dark heavy pigment	3.5	3.5	5	5	13	6	2

430nm-480nm acne removal

Skin type	First pulse	Sequent pulse	Pulse number	Pulse interval	IPL energy	RF energy	frequency
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white pigment	shallow	4	4	5	6	15	13	1
White pigment	deep	3.5	3.5	3	5	15	13	2
Dark pigment	heavy	3.5	3.5	5	5	13	15	2

The first pulse: pulse refers to the time which light on the skin, control the first pulse width, range: 0.1-9.9 ms, 0.1 as a control unit.

Sub pulse: adjust the second pulse width, range: 0.1-9.9 ms

Pulse number: each trigger a pulse, the greater number, the better comfort. Range: 1-10, 1 as a control unit

Light energy: Light energy size, range: 1 - 50 j/ cm<sup>2</sup>

RF: electric energy. range :1-100J/cm<sup>2</sup>

Pulse interval: adjust delay between every two adjacent pulse , range: 1 - ms, 1 as a control unit

Frequency: to send a light for every few seconds , range: 1-5, 1 as a control unit

E- light operation point:

1. do spot test on the weak skin
2. slowly adjust energy from low to high .
- 3 filters must be inserted in the handle ( except fixed filter handle)
- 4.after the operation, must fill water, pay attention to prevent skin from sunlight

Laser screen:



**Function:** switching key, standby or ready

**Frequency:** adjust frequency key , press this key first, then press“frequency” to increase frequency and press “energy” to reduce frequency.

**Energy:**adjust energy key,press this key first, then press“frequency” to increase energy and press “energy” to reduce energy

**Menu:** mode

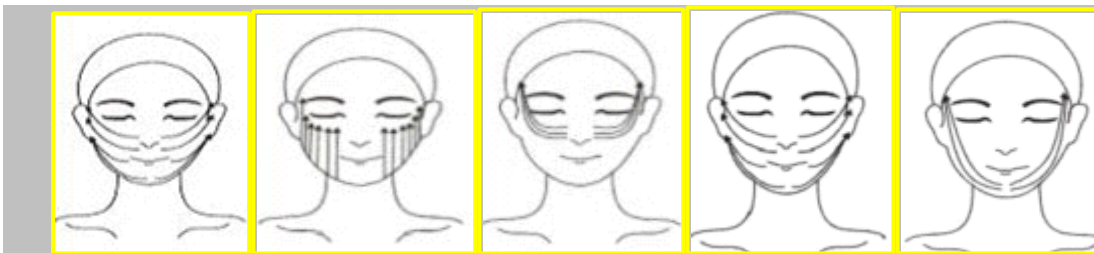
**Note:** when switching frequency to energy, please wait a few seconds.

## Laser Operation:



## RF operation :

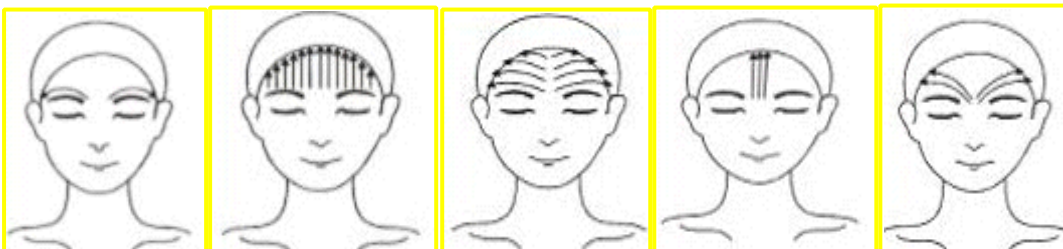
### Face



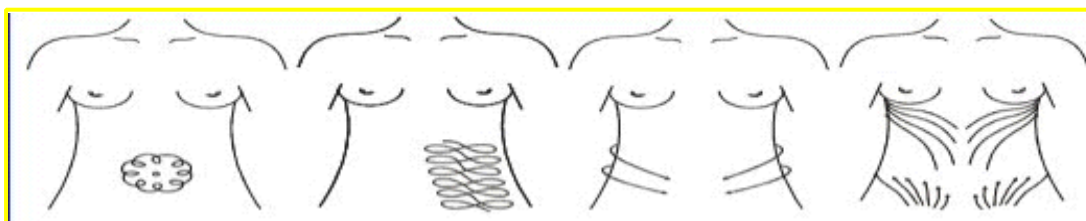
### Eye



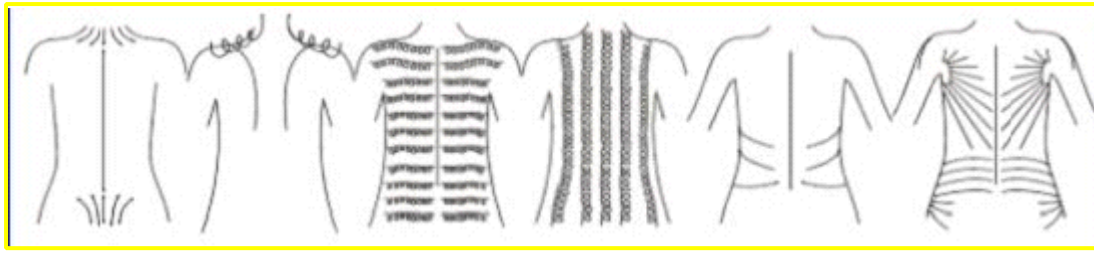
### Forehead



### Body







### **Operation point**

- 1) handle probe must tightly contact skin, like pictures. ( the skin surface inferior fovea) .
- 2) When handle probe tightly contact skin with gel protecting skin, can step foot pedal , after foot move away foot pedal and light ,handle probe can move away skin.
- 3) Operating lips, eyes, and some sensitive parts will appear a little strong sensation, it is normal phenomenon.
- 4) first smooth and then promoted , cycle slow slip, first water and then do therapy (3 days in advance ,before sleeping every night to start filling water oral 500 ml) ,best effect.
- 5) Before operation. massage face not more than 3 minutes
- 6) After operation, do not have a hot shower or spa, need cold water clean face.

### **Course of operation**

Each face each treatment need 800 ~ 1000 RF output that excellent effect (response at that time). generally 15 ~ 25 days is a treatment cycle, 2 months ~ 6 months is a course of treatment, alternate days time, also can do continuous 2 days every week treatment cycle.

### **Who is forbidden :**

1. People who are allergic to light.
2. People have taken some photosensitive food or drug recently (Such as celery, different vitamin A acid, etc)
3. People with cardiac pacemaker and defibrillator
4. People whose treatment parts are damaged.
5. Pregnant women, diabetes, cardiac , Hypertension and Epilepsy.
6. Skin cancer
7. People are just back from the beach. The skin is very weak after the exposure in the sun in this time.
8. People who with the gold implant after six months to do
9. People with Collagen, Botox injection, should wait 3 months first
10. People with skin operation (such as skin lifting operation) should be very careful when treatment. . **Warns**

### **After treatment:**

1. moisturizing skin, like hydrating mask
2. avoiding from sunburn
3. do not make a lot of face expression in 3 hours after treatment
4. do not go to hot place, like Sauna, spa.
5. do not use hot water clean face, in principle, use cold water
6. after E-light treatment, do not scratch the affected part, do not use mercury or irritating cosmetics, avoiding stimulate skin lead to skin color sink or sensitive
- 7 after E- light spot removal treatment, can still use water or no irritant facial cleanser, if there is any slight blisters scab skin, must spread on thin antibiotic cream after cleaning face (erythromycin ointment or antibiotic cream with same function), until decrustation, during this time the part do not use other makeup protecting product
8. pigment skin, after E-light spot removal treatment must do well repair, moisturizing and whitening antioxidant

nursing, which can effectively prevent pigment backflow phenomenon

9. after treatment, the face will be slight red, slight swollen it is a hot effect, promote collagen protein, suggest that don't do ice, usually after around 20 to 60 minutes can disappear,

10. This period pore disorder has been cleared, grease move easily and the skin will be dry, desquamation, pay attention to doing moisturizing

## Maintenance instructions:

### **Maintenance:**

- ① machine should often change water, general every 15 days change once in summer, every 30 days change once in winter. If need continuous operation, when feel handle head is a little hot, at this time can change water.
- ② after operation, please hang handle in right place, it is strictly prohibited to cast, smashing. or easy to cause the inside precision parts damage
- ③ machine should often be cleaned by dishcloth, prevent the dust into the machine cause machine malfunction
- ④ machine interface temperature display sometimes influenced by the temperature of the room, do not affect the normal operation, as long as the temperature display not more than 50 °C, can do normal operation
- ⑤ cathode line should not be pulled, or easy to cause the line broken, resulting in no energy output
- ⑥ when don't operating machine, close power, pull plug out
- ⑦ after continuously operating machine for 2 hours, should stop operation for 10 minutes, and then go operating machine
- ⑧ do not often carry machine, if need long- distance transport machine, must drain all water first

### **Instructions:**

- ① warranty for a year, the lifelong maintenance
- ② Consumable not include in warranty, such as filters, etc
- ③ If fault do not belong to guarantee scope (such as fault caused by human, machine is still in guarantee period, only charge the related cost
- ④ need to send the whole machine back to factory, return expenses shall be paid by the buyers
- ⑤ If the machine beyond warranty period and need to replace other parts or upgrade, can charge according to related accessories price

## Malfunction and solutions

malfunction	reason	solutions
No power on machine	1) fuse broken 2) emergency button closed 3) key not be turned	1) change fuse 2) release emergency j button 3) change key
Cooling of Handle does not work	1) power supply of cooling broken 2) Machine core plug contact is bad 3) Semi conductor broken 4) handle inside has air	Contact us
Handle leaking	1) handle inside screw loose 2) handle inside water pipe drop 3) Lamp or crystal crushing	Contact us
No light in handle	1) handle broken 2) control panel broken 3) power supply broken	Contact us
No E-light(no RF)	1) hand switch contact is bad 2) wrong operation 3) control panel broken 4) power supply broken 5) lifetime is end	Contact us